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DEPARTMENT OF AGRICULTURE
DIVISION OF BOTANICAL GARDENS
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MANDA'S

POCKET
GARDEN DICTIONARY
OF
BULBS
SEEDS, PLANTS
FOR
FALL PLANTING.

THE UNIVERSAL



HORTICULTURAL ESTABLISHMENT.

W. A. MANDA,

SOUTH ORANGE, N.J.

AUGUST 1ST, 1895.

To my Patrons.

In presenting this fourth catalogue, I beg to thank my numerous patrons and friends who have favored me with their commands at my new place.

To those not fully acquainted with my retirement from the incorporated stock company of Pitcher & Manda, I wish to state that I am not in any way connected with that firm, although they still keep my name. All orders and correspondence entrusted to me please address to

Yours respectfully,

W. A. MANDA.

**SOUTH ORANGE,
NEW JERSEY.**

VISITORS.

I am pleased at all times to receive visitors who are interested in plants of any description, and have a number of choice and rare subjects which will repay anyone coming even a long distance to see. The nurseries are situated on the D., L. and W. R. R., adjoining the depot of South Orange. There are 83 trains daily, so visitors will only have a few minutes to wait, trains being so frequent. There are also electric cars from Newark to South Orange, connecting with the Penn. R. R. and Jersey City R. R. every ten minutes. Taking it all in all it is the most accessible nursery in the country and one that contains the second largest collection in America.

FOR KIND OBSERVATION.



This, like my previous catalogues, is gotten up plain and inexpensive, giving all the information possible without exaggerating the article, or misleading the public in any way. It is a small book that will be appreciated by the intelligent public for its briefness.



I am at all times pleased to hear from collectors or raisers of new varieties of plants, seeds or bulbs with view of purchasing or exchanging same.



If you are in need of a good Gardener or Assistant write to me ; I can recommend you reliable men that I know personally.



If there is anything you want and do not see in the catalogue, send in your order for it just the same, and I will charge you the lowest market price.



In sending your orders kindly name some variety I may substitute in case I am sold out of the one you asked for, or give me the privilege to put equally as good kinds. It will help me and give you just as good satisfaction.



Kindly recommend my house to your friends interested in horticulture. I will treat them liberally.

Please Send in Your Orders Early.

SEASONABLE HINTS.

Time when Bulbs are ready for shipment.

August—Roman Hyacinths, Freesia, Narcissus, Allium, Jonquils, Anemone, *Lilium candidum* and *Harrisii*.

September—Dutch Hyacinths, Tulips, Narcissus, Crocus, Callas, Iris, Japan *L. longiflorum*.

November—*Spiræa*, *Lilium auratum* and others, Lily of the Valley.

In figuring how many bulbs a certian bed or part of same will take, ascertain the number of square inches and allow as follows :

1 Hyacinth	to 35 square inches.
1 Tulip	to 20 “
1 Narcissus.	to 20 “
1 Snowdrop	to 1 “
1 Crocus	to 2 “
1 Scilla	to 2 “
1 Lily	to 100 “
1 Lily of the Valley	to 2 “

This will give you the amount of bulbs needed, while for general collection of Perennial plants, allow about one square foot for each plant.

Never try to force any bulbs before they are well rooted.

Plant or pot all your bulbs as early as possible, so that they will have ample time to get well rooted and then they will produce good flowers.

Most of the failures come from too late planting.

Lily of the Valley is the only kind that can be forced without making new roots.

Best Soil for Forcing Bulbs.

5/10 good turfy loam ; 2/10 good rotten leaf soil ; 2/10 good rotten cow or sheep manure ; 1/10 sharp sand.

The whole well mixed together.

This mixture will suit any bulbs. Never use peat in your mixture or green manure.

Beds for Bulbs.

See that the bed is well drained and the soil rich and not too heavy. All kinds of bulbs delight in light warm soil and winter over very much better than in heavy wet ground.

Bulbs that should be more grown are Spanish and English Irises, *Hyacinthus candicans* and collections of Daffodils and Lilies.

Crocuses planted in the lawn, make fine show in the early spring without injuring the lawn ; their leaves are cut with the first cutting of the grass.

Plant a lot of **Narcissus** among grass in meadow or underneath the trees where nothing would grow, and you will get a handsome show in the early season. **Narcissus**, especially the **Poet's Eye**, are so cheap that they can be used for naturalizing.

Do not forget to plant bulbs among your shrubbery, they will give continuance of flower during the season. All tall growing plants are adapted for such purpose, such as Lilies, *Hyacinthus candicans* and *Narcissus*.

If you have a shady corner where grass refuses to grow, plant Lily of the Valley, and you will have a green plant, besides a show of flowers in May.

Hardy Lilies as a rule delight in rich, well drained moist soil with plenty of leaf soil. The bulbs should be planted at least six inches deep.

In potting or planting small bulbs of any kind, it is best to place them on a layer of sharp sand $\frac{1}{8}$ inch thick and then cover with soil. It will prevent possible rotting.

When you plant more than one variety in a bed, select such that will flower at the same time, to make the bed attractive.

On the contrary, planting informally in borders, wild gardens and shrubberies, the selection should be so as to give as prolonged blossoming as possible.

During the Tulip craze in Holland, a single bulb of Tulip brought \$3,000. Now, for that sum, I could furnish you one million of better Tulips than those sold in those days.

Most of the Herbaceous plants give best results if planted in the fall in September and October. Look over the list in this catalogue and start an old-fashioned garden that will grow handsomer every year.

Pansies should be sown in August and September to get strong plants by the spring; same applies to **Cineraria**, **Calceolaria**, **Primula**, **Forget-me-not** and **Cyclamen**.

Lawns made in the fall give as good and many times better results than when made in spring. With our late fall the grass, if sown in August and September, has a chance to establish itself better, especially under deciduous trees. Manda's Universal Mixture is as good as any and better than many.

If you want to enjoy fine Strawberries next June, plant in August or September. The Marshall is considered the best variety in cultivation, and no one should be without it.

Plant in rows 18 inches apart and each row 3 feet apart.

Plant the pistillate varieties in alternate rows with the perfect ones.



❖ SPECIAL OFFER. ❖

TO WHOLESALE BUYERS.

For description see pages of this Catalogue.

LILIES.

		Per 100	Per 1000
Harrisii,	5 to 7.....	\$5 00	\$42 50
"	7 to 9.....	7 00	60 00
"	9 to 11.....	18 00	160 00
"	11 to 13.....	25 00	
Longiflorum (Japan grown)			
"	5 to 7.....	5 00	45 00
"	6 to 8.....	6 00	55 00
"	7 to 9.....	7 00	65 00
"	9 to 10.....	12 00	
Auratum	7 to 9.....	12 00	95 00
"	9 to 11.....	16 00	145 00
"	11 to 13.....	25 00	
Speciosum	7 to 9.....	12 00	95 00
"	9 to 11.....	16 00	135 00
"	11 to 13.....	25 00	
" album	7 to 9.....	15 00	125 00
"	" 9 to 11.....	20 00	
Candidum	11 to 13.....	6 00	55 00

Collection of 40 varieties of Lilies for \$9 50.

HYACINTHS.

Romans.

White, first size.....	\$2 75	\$25 00
Extra selected.....	3 50	30 00
Blue.....	3 25	30 00
Light pink	3 25	30 00
Rose.....	3 25	30 00
Yellow.....	4 50	42 00
Italian white	2 75	25 00

Dutch Hyacinths.

For bedding, all colors mixed, single.....	2 80	26 00
" " " double.....	2 80	26 00
" colors separate.....	3 00	28 00
For forcing, first size, selected, named.....	9 00	85 00
" second size "	6 00	55 00
Miniature for forcing, separate colors . . .	2 75	25 00

TULIPS.

Forcing or bedding, single mixed.....	1 00	9 50
" double "	1 00	9 50
Forcing, named, my selection	1 75	15 00
Bedding " "	1 75	15 00
Late flowering, for bedding.....	1 25	10 00

NARCISSUS.

	Per 100	Per 1000
Von Sion,	\$ 2 75	\$22 50
Paper White	1 75	14 00
" <i>grandiflora</i>	2 00	17 00
Poeticus	1 15	9 00
Bicolor <i>Horsefieldii</i>	7 50	55 00
Polyanthus named, my selection	5 00	

CROCUS.

White named	75	5 00
Blue "	90	6 50
Striped "	90	6 50
Large yellow	1 25	9 00
All colors mixed		3 00

Lily of the Valley, selected pips	1 75	15 00
<i>Freesia refracta alba</i> , first size	1 50	10 00
" " " <i>mammoth</i>	2 00	15 00
<i>Calla Lilies</i> , white	15 00	
<i>Iris</i> , Spanish mixed	1 00	9 00
" English "	1 25	10 00
" German "	8 00	
" Japan "	10 00	
Snowdrops, single	1 25	10 00
" <i>Giant</i>	3 00	25 00
<i>Pæonies</i> , choicest varieties, mixed	18 00	
<i>Spiræa Japonica</i>	9 00	
" <i>grandiflora</i>	12 00	
<i>Gladiolus Colvillei alba</i>	75	9 00
<i>Azalea Indica</i> , best varieties	45 00	
" <i>Mollis</i> , "	65 00	
<i>Rhododendrons</i> , best hardy named	115 00	

ESTIMATES.

I will furnish gladly any special quotation on any quantity of goods in the horticultural line, which will favorably compare with any reliable firm for like quality, which is only one, and that "*The Very Best.*"

Do not buy any Seeds, Plants, Bulbs, Trees or Shrubs before you consult my Catalogues.

My General Catalogue will be sent to all applicants.

 PLEASE ORDER EARLY.

HYACINTHS.

The most important of all the bulbs in cultivation is the Hyacinth. Easy of culture, flowers of which could be had from January till May, the rich perfume and the wide range of colors which it embraces, besides the good lasting qualities, are the many virtues of this plant. The cost of the bulbs is so small that for a few dollars quite a collection can be procured. The mixed kinds for bedding are indispensable to every garden.

Choice Named Hyacinthus.

The following list includes all the most desirable varieties, such as produce the largest bells or spikes and force readily. Great pains have been taken to include only the best and most distinct colors and shades.

Single Red.

	Each.	doz.
Amy, bright carmine, fine stripe.....	\$0 10	\$1 00
Baron von Thuyll, rose color.....	10	1 00
Chas. Dickens, rose, dark, extra.....	20	2 00
Gen. Pellisier, carmine, very early.....	15	1 50
Gertrude, red, dwarf, fine spike	10	1 00
Gigantea, light rose, large bells.....	10	1 00
Grand Vainqueur, fine rose, early.....	10	1 00
Homerus, dark rose, early.....	10	1 00
Lord Macauley, dark rose.....	15	1 50
Norma, pale waxy pink, early, the best	10	1 00
Robt. Steiger, deep red, fine spike.....	15	1 50
Sarah Bernhard, very fine spike.....	15	1 50

Single Pure and Blush White.

Alba superbissima, pure white, fine.....	10	1 00
Baron von Thuyll, pure, early, for forcing...	10	1 00
Grandeur a Merveill, bluish white, extra....	10	1 00
Grand Vedette, pure, early, for forcing.....	10	1 00
La Belle blanchisseuse, pure	10	1 00
La Grandesse, pure, the finest white.....	15	1 50
Madame Van der Hoop, pure, extra, fine...	15	1 50
Mont Blanc, pure white, large bells	15	1 50
Pavilion Blanc, pure white, good.....	15	1 50
La Neige, pure white, early	15	1 50
L'Innocence, white, large bells.....	15	1 50
Mina, pure white, fine spikes.....	15	1 50

Single Dark and Light Blue.

Baron von Thuyll, bright blue, compact.....	10	1 00
Blue Mourant, dark blue, fine spike.....	10	1 00
Chas. Dickens, light blue, large bells.....	10	1 00
Couronne de Celles, fine porcelain, extra....	15	1 50
Czar Peter, porcelain, extra fine variety.....	15	1 50
Gen. Pelissier, clear blue, fine.....	10	1 00
Grand Lilac, porcelain, extra spikes.....	15	1 50
“ Maitre, dark porcelain bells.....	10	1 00
King of the Blues, dark, extra fine.....	15	1 50
Leonidas, early, bright blue.....	10	1 00
Mary, dark, early, fine spike.....	10	1 00
William the 1st, blackish, early.....	10	1 00

Single Yellow.

	Each.	doz.
Duc de Malakoff, orange yellow.....	\$0 15	\$1 50
Fleur d'Or, pure yellow.....	15	1 50
La Pluie d'Or, pale yellow, fine.....	15	1 50
Ida, pure, best yellow, fine spikes.....	15	1 50
King of Holland, orange yellow, early.....	15	1 50
King of the Yellows, pure yellow, new.....	20	2 00

Double Red.

Bouquet tendre, dark red, early, fine.....	10	1 00
Czar Nicholas, bright rose.....	10	1 00
Grootvorst, rose, large bells.....	10	1 00
Lord Wellington, blush rose, early extra....	15	1 50
Prince of Orange, dark rose, fine spike.....	10	1 00
Princess Alexandra, dark rosy.....	10	1 00
Regina Victoria, pink, early.....	10	1 00

Double White.

Anna Maria, purple center, fine.....	10	1 00
La Tour d'Auvergne, pure white, early ...	15	1 50
La Virginite, creamy, with red center.....	10	1 00
Prince of Waterloo, pure white.....	15	1 50
Lord Anson, white, rose center.....	10	1 00
Non Plus Ultra, fine spike.....	15	1 50

Double Blue.

Bloksberg, porcelain, good spike.....	10	1 00
Chas. Dickens, violet blue, fine.....	10	1 00
Garrick, dark early, large spike.....	10	1 00
Prince of Saxe-Weimar, dark, fine.....	10	1 00
Rembrandt, bright large flowers.....	10	1 50

Double Yellow.

Bonquet d'Orange, rich orange color... ..	15	1 50
Goethe, citron.....	10	1 00
Jaune Supreme, bright.....	20	2 00
Minerva, orange yellow, fine.....	15	1 50

EARLY ROMAN HYACINTHS.

Best adapted for early forcing and can be easily had in flower from 1st December until spring. The spikes are graceful and very useful for cut flower purposes.

	Per doz.	Per 100.
White, 1st size	\$0 45	\$2 75
Extra selected.....	55	3 50
Blue	45	2 75
Light Pink.....	45	3 25
Dark Pink.....	45	3 25
Yellow	90	4 50
White Italian.....	60	3 00

Miniature Hyacinths or Dutch Romans.

These can be forced in the same way as the Early Roman Hyacinths any time after New Year's.

Price, 30c. per doz.; \$2.50 per 100.

Single, in the following colors: White, Red, Blush, Dark Blue, Light Blue, Yellow.

Hyacinths, Show Collections, Double and Single, My Selection.

	Per 100
25 in 25 best named varieties, for.....	\$2 75
50 in 25 " " " "	5 20
100 in 25 " " " "	10 00
50 in 50 " " " "	7 70
100 in 50 " " " "	14 30
250 in 50 " " " "	27 50

Hyacinths for Bedding, Unnamed.

These will make a fine show in beds or borders.

	Per doz.	Per 100
Single white, pure or blush.....	\$0 55	\$3 30
" red.....	55	3 30
" rose.....	55	3 30
" blue, light or dark.....	65	3 85
" yellow.....	75	4 40
" in above colors in equal portions.....	65	3 85
" mixed, all colors.....	50	3 00
Double white, pure or blush.....	55	3 30
" blue, light or dark.....	65	3 85
" rose.....	55	3 30
" red.....	55	3 30
" yellow.....	90	5 50
" in above colors in equal portions.....	65	3 85
" and Single , all colors mixed.....	45	2 75

Seeds.

Although I have enumerated only a few seeds that are used in the fall, I carry a complete stock and can always furnish any kind desired, and in the very best strains obtainable. A more complete list of Flower Seeds, as well as Vegetable Seeds, etc., will be found in my Pocket Garden Dictionary, which will be sent to any address on application.

TULIPS.

With the Hyacinths, Tulips are the general favorite with the public. They are unsurpassed for garden beds while equally useful for forcing in pans or pots. The rich gaudy colors of their large and handsome satiny flowers, representing all the rich shades of colors, are the show of parks and gardens and admiration of passers-by. Massed either in solid colors in design, or mixed all the colors together, they make as showy a bed as could be made with any bulb or plant. The price should certainly not prevent anyone from using them freely, being very nominal, as the list will show. Tulips are exceedingly cheap this season and should be used largely.

Single Early Tulips.

	Per doz.	Per 100
Artus , brilliant scarlet, fine.....	\$0 20	\$1 00
Belle Alliance , scarlet.....	25	1 50
Canary Bird , rich yellow, early.....	30	2 00
Cottage Maid , rosy pink.....	50	2 50
Couleur Ponceau , rosy crimson and white...	20	1 00
Couleur de Cardinal , scarlet, dark.....	25	1 50
Crimson King , bright crimson.....	20	1 00
Duchess de Parma , brown and orange.....	20	1 00
Duc Van Thol , common crimson.....	20	1 00
“ “ yellow.....	45	2 50
“ “ scarlet.....	20	1 00
Golden Prince , yellow, one of the best.....	30	1 50
Joost Van den Vondel , rose and white.....	30	1 50
Keiserskroon , red, with yellow edge.....	40	2 00
La Reine , white, rose shaded.....	20	1 00
L'Immaculee , pure white, good.....	20	1 00
Pottebakker , white, fine flowers.....	40	2 50
“ scarlet, “.....	40	2 00
“ yellow, “.....	40	2 00
Proserpine , salmon pink, extra.....	70	4 00
Rosamundi Huykman , rose and white.....	40	2 00
Rose Grisdeline , soft rose.....	35	1 75
Superfine , mixed.....	15	75
Vermilion Brilliant , rich red.....	70	4 00
Yellow Prince , golden yellow.....	30	1 50

Double Early Tulips.

Blue Cœleste , blue.....	40	2 00
Duke of York , red, edged white.....	30	1 25
La Candeur , pure white, fine.....	20	1 00
Murillo , white and pink, choice.....	45	2 75
Queen Victoria , carmine red.....	85	2 00
Rex rubrorum , scarlet, good.....	40	2 25
Salvator Rosa , rose, very fine.....	50	3 00
Tournesol , red and yellow.....	40	2 00
“ yellow, grand flower.....	65	4 50
Double Yellow , fine yellow.....	20	1 00
“ Duc Van Thol , red and yellow.....	20	1 00
Superfine , mixed.....	15	75

Tulips for Bedding.

	Per doz	Per 100
Single red.....	\$0 20	\$1 10
“ yellow	55	3 30
“ white	45	2 75
“ yellow and red.....	20	1 10
“ rose....	45	2 75
“ extra fine mixed, all colors.....	25	1 65
Double red.....	20	1 10
“ yellow.....	25	1 65
“ white	20	1 10
“ pink	55	3 30
“ yellow and red.....	20	1 10
“ extra fine mixture.....	25	1 40
“ and single, fine mixed.....	25	1 40

LATE TULIPS.

Parrots , fine mixed.....	25	1 40
Bizarres , choice mixed.....	25	1 40
Byblooms , best mixture	45	2 75
Breeders , choice mixture.....	45	2 75
Gesneriana , scarlet fine.....	30	2 50
Ida , pure yellow, late.....	40	2 00
Yellow Crown , fine, late.....	20	1 00

Do not be misled because you see the firm name of PITCHER & MANDA unchanged. Same firm, prior to my retirement, had been incorporated under that name, and I cannot prevent them from using it.

You will find the ORIGINAL and ONLY

W. A. MANDA

. . AT THE . .

Universal Horticultural Establishment,

SOUTH ORANGE, N. J.,

where please address all letters and orders intended for me, as I am not in any way connected with the firm that still uses my name.

SEND ME A TRIAL ORDER.

NARCISSUS.

Too much cannot be said in favor of the already popular Daffodil, only to say, plant more and you will want more of these elegant and useful flowers, that can be used for any purpose. Narcissus is perhaps the easiest of all the bulbs to grow, not particular as to soil or situation, and will form a mass very quickly. The Polyanthus Narcissus are not hardy, but are very useful for early forcing. The Daffodils, single and double, can be used either for planting out or equally as well for forcing.

Narcissus—Daffodils—Single Flowered.

	Per doz.	Per 100
Alba simplex odorata, white.....	\$0 50	\$3 00
Bicolor Empress, splendid trumpets.....	3 00	20 00
“ Emperor, large flowers.....	3 00	20 00
“ Horsfeldii, very fine, large ...	1 00	7 50
Bulbocodium, yellow, dwarf.....	50	3 00
Golden Spur, early, large, yellow.....	1 00	6 00
Incomparable, yellow.....	40	2 00
Poeticus	25	1 25
“ ornatus.....	50	3 00
Princeps sulphur.....	50	3 00
Trumpet major	50	2 75
“ Silver... ..	1 50	10 00
Jonquils, single yellow.....	25	1 00
“ campernelles, fine	25	1 00

Daffodils, Double Flowered.

Alba plena odorata, white.....	30	1 50
Incomparable, pure yellow.....	40	2 00
Orange Phoenix, white and orange.....	50	3 00
Silver Phoenix, white, fine.....	1 50	10 00
Von Sion (true), best for forcing.	50	2 75

Polyanthus Narcissus.

Aurora, fine large yellow.....	1 00	7 50
Gloriosa, white and orange... ..	75	5 00
Grand Prima, yellow.....	75	5 00
Grand Monarque, white.....	75	5 00
“ Soleil d'Or, yellow.....	1 00	7 50
Jaune Supreme, yellow.,.....	1 00	7 50
Staaten General, white.....	75	5 00
Totus albus (Paper White), fine early.....	20	1 75
“ grandiflora, large flowers.....	25	2 00
Chinese Sacred Lilies..... each 15 cts..	1 50	10 00

CROCUS.

One of the earliest of spring harbingers, pushing their showy flowers sometimes through the snow as early as March. A very pleasant effect is produced by planting Crocuses among the grass on the lawn where they will produce a brightly colored carpet with the advent of spring. Some of my bulbs produced 20 to 30 flowers last season.

	Per doz.	Per 100
Baron Von Brunow, dark blue.....	\$0 90	\$6 50
Sir Walter Scott, variegated and striped....	90	6 50
Mont Blanc, large, pure white.	75	5 00
Yellow Mammoth Bulbs.....	1 75	12 00
“ 1st size.....	1 25	9 00
“ 2d size	90	6 50
Mixed, all blue.....	50	4 00
“ “ striped.. ..	50	4 00
“ “ white.....	50	4 00
“ “ colors	40	3 00

VARIOUS BEAUTIFUL AND INTER-ESTING BULBS.

	Each.	Per doz.
<i>Allium neapolitanum</i> , fine white.....	\$0 05	\$0 50
“ <i>Molly luteum</i> , bright yellow.....	10	75
<i>Alstroëmeria</i> , various kinds.....	25	2 50
<i>Amaryllis Belladonna</i> , rose.....	20	2 00
“ <i>formosissima</i> , red.....	20	2 00
“ <i>lutea</i> (<i>Sternbergia</i>) yellow.....	10	1 00
“ <i>hybrids</i> , choice vars.....	60	6 00
“ <i>longifolia</i> , rose.....	25	2 50
“ “ <i>alba</i> , white.....	25	2 50
“ <i>purpurea</i> (<i>Vallota</i>), scarlet.....	25	2 50
<i>Anemone coronaria</i> , choice mixed.....	05	25
“ “ double “.....	05	25
“ <i>fulgens</i> , bright scarlet.....	05	50
<i>Anthericum Liliastrum major</i> , white.....	20	2 00
<i>Apios tuberosa</i> , yellow.....	10	75
<i>Arum sanctum</i> (Black Calla), black.....	30	3 00
<i>Babiana</i> , fine mixed.....	10	1 00
<i>Bausingaultia baseloides</i>	25	2 50
<i>Bloomeria aurea</i> , yellow.....	15	1 50
<i>Brodiaea capitata</i> , various kinds.....	05	50
<i>Bulbocodium vernal</i>	05	30
<i>Calla æthiopica</i> (<i>Calla Lily</i>), white.....	15	1 50
“ “ “ <i>Little Gem</i> ,” dwarf.....	20	2 00
<i>Calochortus</i> , various kinds.....	10	75
<i>Chionodoxa Lucilæ</i>	05	30
<i>Colchicum</i> , mixed.....	10	50
<i>Convallaria majalis</i> (<i>Lily of the Valley</i>) strong crown.....	05	25
<i>Convallaria majalis aurea striata</i>	10	60
“ “ <i>rosea</i>	10	60
“ “ <i>flore pleno</i>	10	60
“ “ <i>alba grandiflora</i> (new). ..	15	1 50
“ <i>japonica</i>		50
<i>Crocus</i> (see page 5).		
<i>Crown Imperial</i> (see <i>Fritillaria</i>).		
<i>Cyclamen persicum giganteum album</i>	20	2 00
<i>C. persicum giganteum roseum</i>	20	2 00
“ “ <i>rubrum</i>	20	2 00
“ “ mixed.....	15	1 50
<i>Daffodils</i> (see page 11)		
<i>Dicentra spectabilis</i> (<i>Bleeding Heart</i>).....	15	1 50
<i>Eranthis hyemalis</i> , yellow.....	05	30
<i>Erythronium americanum</i> , yellow.....	05	50
“ <i>albidum</i> , creamy.....	10	50
“ <i>giganteum</i> , rose.....	10	50
“ <i>dens-canis alba</i>	05	30
“ “ <i>purpurea</i>	05	30
“ “ <i>rosea</i>	05	30
“ “ mixed.....	05	30
<i>Eucharis amazonica</i> , pure white.....	25	2 50

BULBS—Continued.

	Each.	Per doz.
Freesia Leichtlinii major , yellow.....	\$0 05	\$0 40
“ refracta alba white.....	05	30
“ “ mammoth	05	40
Fritillaria imperialis (Crown Imperial).....	15	1 50
Galanthus Elwesii (Giant Snowdrop).....	05	50
“ nivalis , white.....	05	25
“ “ fl. pl.	05	35
Hyacinthus candicans	05	50
“ other vars. (see pages 6, 7, 8).		
Iris alata early flowering.....	15	1 50
“ Anglica (Eng. Iris) fine mixed.....	05	40
“ atrofusca (new).....	50	5 00
“ atropurpurea (new).....	35	3 50
Iris Giant Duffii (new), rare.....	35	3 50
“ Hispanica (Spanish Iris), fine.....	05	30
“ Iberica , rare species.....	15	1 50
“ Lortetii (new), very fine.....	35	3 50
“ Mariæ (Helene), new, grand.....	35	3 50
“ reticulata , purple.....	20	2 00
“ “ Krelagei , purple.....	20	2 00
“ Sari nazarena (new), fine.....	35	3 50
“ Susiana (the Black Iris).....	25	2 50
“ Vartanii (new), rare variety.....	25	2 50
“ tuberosa , rare and curious.....	15	1 50
“ other vars. see Herbaceous plants.		
Ixia hybrida , choice mixed colors.....	05	50
Lachenallia , in varieties.....	10	1 00
Leucojum æstivum , white.....	10	1 00
“ vernum , purple.....	10	1 00
Lilium . See page 29.		
Montbretia crocosmæflora	05	50
“ “ Bouquet parfait	10	1 00
“ “ Etoile de Feu ..	10	75
Muscari botryoides alba , white.....	05	25
“ “ cœrulea , blue.....	05	25
“ monstrosum , blue.....	05	40
“ plumosum , blue.....	05	40
Narcissus . See page 29.		
Nerine sarniensis	25	2 50
“ Forthergilli major (rare).....	75	7 50
Ornithogalum arabicum , white.....	10	75
“ umbellatum , white.....	05	50
Oxalis Bowiei , rose.....	05	25
“ mixed, various colors.....	05	20
Ranunculus , French, fine double, mixed, choice varieties.....	05	25
“ Persian, fine double, mixed, best kinds.....	05	25
Richardia æthiopica (white Calla).....	15	1 50
“ alba maculata , yellow.....	20	2 00
Scilla bifolia , blue.....	05	25
“ siberica , blue.....	05	25
Schizostylis coccinea , scarlet.....	10	75

BULBS—Continued.

	Each.	Per doz.
Sparaxis , finest mixed colors.....	\$0 05	\$0 25
Spiræa japonica , white.....	15	1 50
“ “ compacta multiflora	25	2 50
“ astilboides , white.....	25	2 50
“ For other varieties see Herbaceous plants.		
Sternbergia lutea , yellow.....	10	1 00
Tigridia grandiflora , red	10	1 00
“ “ alba , white.....	10	1 00
“ pavonia , yellow....	10	1 00
“ rosea , rose.....	25	2 50
Trillium erectum , purple.....	10	1 00
“ “ album , white.....	10	1 00
“ grandiflorum , white.....	10	1 00
“ nivale , flesh color.....	15	1 50
“ recurvatum , red.....	15	1 50
“ sessile , red.....	10	1 00
Tritonia , fine mixed colors.....	05	40
Tritoma Uvaria grandiflora , red.....	15	1 50
Vallota purpurea , scarlet, fine	25	2 50

Fruit Trees, Ornamental Trees and Shrubs etc.

I have a large and varied stock of these, of the kinds which are best suited to this and other climates where great extremes of temperature are experienced, and where it is very necessary to plant only the hardiest varieties. In my Spring Catalogue will be found a full list, containing all the best kinds, to which I respectfully invite your attention.

Orchids.

These are undoubtedly the coming flowers, and every greenhouse or conservatory should have at least a few of these floral gems. They are of easy culture, and will grow in ordinary greenhouse or conservatory together with other common greenhouse plants, such as Geraniums, Fuchsias, etc. Most of the varieties can be grown in baskets or on blocks, and suspended from the roof, and thus they do not utilize any bench room. Orchids, when in bloom and kept in cool places, will last from four to ten weeks in perfection, so that anyone having a small collection of Orchids will have some plants in bloom all the year round. Amateurs intending starting to grow Orchids, should write for my Pocket Garden Dictionary and Catalogue, where a full list of the different varieties, together with cultural directions, will be found.

CHOICE FLORISTS' FLOWER SEEDS.

For Immediate Sowing.

From my personal experience I know the great importance of purity, and high grade of stock. Therefore, I make it a special feature to handle only the very best strains. Purchasers may have every confidence in the quality of the seed I offer, and in ordering should order the best quality.

Pansies, Show.

Below you will find a list of the very finest of show pansies of incomparable size, beauty and luxuriance, especially my finest mixture.

In this mixture I have spared no pains in securing the finest strains and mixing carefully, only using those which I knew would give the best results. For size, coloring and abundance of flowers, this strain has no equal. They do best in summer in a cool, moist situation. Highly recommended for indoor culture in the winter.

	Per pkt.
Manda's finest mixture , extra selected strain.....	\$0 50
Extra fine choice mixed , good useful mixture.....	25
Ordinary mixture of standard varieties.....	10
Odier , extra choice large blotched flowers.....	25
Cassier , very large flowered, fine.....	25
Bugnot's superb fine strain	50
Superb mixture of the Odier, Cassier and Bugnot's strains	25
English choice mixture for general purposes.....	25
French fine strain of choice and bright colors.....	25
Trimardeau or Giant Pansies , enormous flowers, extra	25
One packet of each of the above 10 kinds for \$1.85.	

Pansies, Bedding.

These differ from the above in their flowers being smaller, but they are produced in greater profusion. They form bushy plants covered with bloom, and are better adapted for bedding, as the color of the flowers is mostly solid in this class, and they are therefore better able to stand the sun than the fancy forms of the show pansies.

	Per pkt.
Cliveden , purple)	\$0 15
“ white)	15
“ yellow)	15
excellent varieties for bedding ...	
Azure Blue , choice, extra fine.....	15
King of the Blacks (Dr Faust) , very dark variety..	15
Black Blue (dark blue) , fine strain.....	15
Snow Queen , candidissima, delicate satiny white....	15
Light Blue , sky-blue.....	15
Lord Beaconsfield , very effective.....	15
Red Shades mixed , extra fine.....	15
Yellow , fine rich color for bedding.....	15

PANSIES—Continued.

Pure White , good form and clear color.....	\$0 15
Gold Margined , splendid variety.....	15
Silver edged (<i>Atropurpurea albomarginata</i>), charming.....	25
Violet margined with white , extra fine.....	15
Choice mixture of Bedding Pansies, best varieties.....	15
One package of each of the above 16 varieties for.....	1 75
One packet of each Show and Bedding kinds, 26 packets for.....	3 25

Cyclamen.

These are among the most beautiful winter and spring flowering plants for the greenhouse.

Not only are the flowers very beautiful, but the leaves are very ornamental. The flowers run in shades from pure white to dark red.

	Per pkt.
Persicum giganteum , finest mixed.....	\$0 50
“ “ album . Pure white.....	50
“ “ atrorubrum . Dark red....	50
“ “ roseum superbum . Extra fine	50
“ “ sanguineum . Darkest red..	50
“ “ Choice mixture.....	50
One packet of each of the above 5 varieties for.....	2 00

CINERARIA.

One of the most beautiful spring flowering plants for greenhouse or conservatory decoration.

When well grown the flowers measure about two inches across, and cover the plant with a mass of bloom. Sow in late summer in a light compost. When large enough transplant in small pots and shift as required. They do best when kept in a cool place, and will do well in a frame protected from the frost.

	Per pkt.
Hybrida Grandiflora . Large-flowered. Choice Mixed..	\$0 50
“ “ Nana . Dwarf. Fine Strain..	50
“ Plenissima . Double. Choice mixed.....	1 00
Choice mixture of the three Strains.....	50
One Packet of each of the above 4 kinds for.	1 50

CALCEOLARIA.

Beautiful plants for greenhouse and conservatory decoration.

The curious pocket-shaped flowers are borne in the greatest profusion during the spring and summer. They vary greatly in color; some are self-colored, while others are beautifully spotted and blotched. Sow in late summer in shallow pans; transplant in thumb pots and shift as required. They like a cool situation, and will do well in a frame protected from frost.

		Per pkt.
Grandiflora.	Large-flowered. Fine Strain.....	\$0 50
"	Pumila Compacta. Dwarf. Self-colored	50
"	Tigrina. Tigered or Spotted. Choice Mixed	75
"	Tigrina Pumila Compacta. Dwarf...	75
"	Striata. New. Striped. Extra Fine.	50
Rugosa.	(Shrubby or bedding). The true bedding variety	25
	Choice mixture of the above.....	50

PRIMULA (Primrose.)

One of the finest winter flowering greenhouse plants. The list below contains only the finest strains procured from the greatest specialist in Europe. Sow in early summer in shallow boxes or pans. When large enough, plant in small pots and shift as required. They enjoy rather a cool position, and will do well in a frame protected from frost.

		Per pkt.
Primula Chin. fimbriata rubra,	red.....	\$0 50
"	"	"
"	alba, white, excellent strain.	50
"	"	"
"	" magnifica (Williams).	75
"	"	"
"	fringed, finest mixed, first quality.	50
"	"	"
"	filicifolia, finest mixed.....	50
"	"	"
"	globosa, " "	50
"	"	"
"	fl. pl., double white, pure...	75
"	"	"
"	" " blush.....	75
"	"	"
"	" " crimson	75
"	"	"
"	" " best mixed....	75
"	Auricula, fine, half hardy, perennial.....	25
"	Cashmeriana (capitata), quite hardy.....	25
"	Obconica, excellent for pots and bouquets.....	25
"	Elatior (veris), first quality, large flowered fancy.....	10
"	"	"
"	Duplex (Hose in Hose), very beautiful.	10
"	"	"
"	gold-laced, charming varieties....	10
"	Verticillata, new, golden-flowered greenhouse plant	50
"	Vulgaris, the true Yellow English Primrose....	10
	One Packet of each of the above for.....	6 50

MYOSOTIS (FORGET-ME-NOT).

This beautiful little plant is too well known to need any description. It does best in a cool, moist place, and can be used for spring bedding or winter flowering. The flowers when cut and placed in water will grow just as well as if on the plant.

		Per pkt.
Alpestris (Forget-Me-Not), blue.....		\$0 10
"	Alba, pure white.....	10
"	Robusta grandiflora (Elisa Fonrobert), large flowering....	15
"	"	"
"	Alba, white.....	15

MYOSOTIS—Continued.

Alpestris Victoria , dwarf, sky-blue flowers, the best for pot culture.....	\$0 15
“ “ Alba , pure white, new.....	15
Rupicola , porcelain, quite dwarf, excellent for pots ...	20
One package of each of the above 7 varieties for.....	75

GRASS SEEDS.

(Price subject to Market changes.)

This short list comprises the best and leading kinds for making a beautiful lawn.

Manda's Universal Lawn Seed Mixture.

This lawn grass mixture is composed entirely of the finest quality of fine leaved dwarf-growing grasses, in such proportions as will enable it to withstand the extreme heat of our summers. The grasses which compose this mixture are extra well cleaned, so that all weeds are excluded, leaving nothing but the pure, clean seed.

I recommend four bushels to the acre. It is necessary to sow the seed very thick to get the most pleasing result—that is, a good lawn.

The best time to sow grass seed is in the spring or about the latter part of August. I prefer the spring. The success of establishing a good lawn depends much on the season and the condition of the ground at the time of sowing. A light raking in will protect the seeds greatly. Rolling, however, is at all times indispensable, and should any weeds appear they should be eradicated.

	Per qt.	Pk.	Bush.
Manda's Universal Lawn Seed			
Mixture	\$0 25	\$1 25	\$4 50
Ordinary Lawn Grass Mixture ...	20	1 15	3 50
Pasture Grass Mixture			2 25
		Per lb.	100 lb.
Creeping Bent Grass (<i>Agrostis stolonifera</i>)..	9 20		16 00
English Rye Grass (<i>Lolium Perenne</i>).....		14	12 00
Kentucky Blue Grass (<i>Poa pretensis</i>).....		15	12 00
“ “ “ “ “ choice..		18	15 00
Red Top Grass (<i>Agrostis vulgaris</i>).....		10	8 00
“ “ Fancy re-cleaned.....		20	16 00
Clover, white		35	30 00

Any other Grass or Clover at market price.

Greenhouse Flowering Plants.

I have a very large and varied collection of these, and have listed in my Spring Catalogue only the very best and most popular varieties. I can supply any other varieties not listed, and will be pleased at any time to quote special prices on application.

STRAWBERRIES.

Strawberries do best planted on new rich ground with plenty of manure worked into it and having a sunny southern exposure.

Plant in August or September so as to give the plants plenty of time to root well before cold weather sets in. They will produce a good crop of fruit the following season. The list I offer below comprises the very finest varieties.

The best early, medium and late sorts have the letters *e*, *m* and *l* before the names. The letter (*p*) after the name signifies Pistillate varieties. These sorts should never be planted together.

For description of novelties, see novelty portion. Prices for strong pot plants that will fruit next season, ready August and September.

	Per doz.	Per 100
Albany Wilson , good old sort.....	\$0 50	\$3 00
<i>l</i> Belmont , rich, red fruit, fine.....	50	4 00
<i>e</i> Bombay , fine productive sort.	50	4 00
<i>e</i> Bubach's No. 5 (<i>p</i>), very large, fine.....	50	3 50
Chas Downing , good medium size.....	50	3 00
<i>e</i> Crescent (<i>p</i>), medium size, prolific.....	50	3 50
<i>m</i> Cumb. Triumph , productive and fine....	50	3 50
<i>l</i> E. P. Roe , large rich crimson.....	50	2 75
<i>l</i> Gandy , large crimson berries.....	50	2 75
<i>m</i> Greenville (<i>p</i>) (new), sweet rich flower....	1 00	5 50
<i>e</i> Haviland (<i>p</i>), very prolific, good.....	50	3 50
<i>m</i> Jucunda Improved , fine improved variety..	60	4 00
<i>m</i> Jessie , very large and productive.....	50	3 00
<i>e</i> Leader , fine, rich flavored fruit.....	50	2 75
<i>e</i> Lovett's Early , medium size, prolific.	50	3 00
<i>m</i> Marshall (new). The best variety grown..	1 00	5 00
<i>e</i> Michel's Early . One of the earliest vars..	50	3 50
Mary (new), very large productive.....	1 00	5 50
Middlefield (<i>p</i>), very handsome fruit.....	60	4 00
Mount Vernon , good old variety.....	50	4 00
Princess , large well-formed berries.....	60	4 50
<i>e</i> Parry , fine standard variety.	50	3 00
<i>l</i> Parker Earle , the most productive variety..	75	5 00
Regina , very late and fine.....	60	4 00
<i>l</i> Shuckless , medium size, richly colored. ..	60	4 00
<i>m</i> Sharpless , the best of old kinds.	30	1 50
Shuster's Gem (<i>p</i>) very productive.....	50	3 50
<i>m</i> Timbrell (new), very large and fine.....	75	5 50
<i>e</i> Victor Hugo , fine variety.....	60	4 00
Yale , very late, rich red berries.....	1 00	5 50

SPECIAL PLANTS FOR WINTER FLOWERING.

Roses.

I can still supply fine strong plants of the following varieties, out of 2 inch pots, at \$2.00 per doz.; \$12.00 per 100; or extra strong selected, out of 3 or 4 inch pots, at \$2.50 per doz.; or \$16.00 per 100. **Bride, Bridesmaid, Catherine Mermet, Cusin, Madame de Watteville, Madame Hoste, Madame Caroline Testout, Meteor, American Beauty, Kaiserin Augusta Victoria**, and many others.

Carnations.

I am growing a large lot of plants for winter flowering, and can supply the following in fine, strong, healthy plants from open ground.

	Per doz.	Per 100.
Buttercup , lemon yellow.....	\$2 00	
Daybreak , flesh pink.....	2 00	\$12 00
Helen Keller , variegated, new, fine.....	3 00	18 00
Jacqueminot , crimson, new.....	3 00	18 00
Lizzie McGowan , pure white; the best.....	1 50	9 00
Mme. Diaz Albertini , bright light pink.....	2 00	12 00
Meteor (new), brilliant crimson.....	3 00	18 00
Portia , scarlet	1 50	9 00
Sweetbrier , pink, new.....	3 00	18 00
Storm King (new), snow white, very fine....	3 00	18 00
The Stuart , scarlet, fine, new.....	3 00	18 00
Thos. Cartledge , carmine.....	1 50	9 00
Uncle John , pure white, new.....	3 00	18 00
Wm. Scott , bright pink, one of the best. ..	2 00	12 00
My assortment of best kinds.....	2 00	12 00
Any other varieties of Carnations at market prices.		

Violets.

Everyone having a greenhouses or a sash frame will want to grow some violets. The stock is plentiful, but the great difficulty is to procure clean plants from disease. I grow a fine lot of plants from a stock that never was forced and in new ground and therefore hope to have my plants as healthy and fine as they are at present writing.

	Per doz.	Per 100
Marie Louise , the best variety.. ..	\$2 00	\$12 00
Swanley , white.....	2 50	

Azaleas.

There is no greenhouse shrub that gives such satisfaction as a good plant and variety of Azalea. The following dozen varieties are the cream of the Azaleas, while I offer well furnished plants set with buds at the following low prices. Plants 9-10 inches in diameter, 75 cts. each, \$7.50 per doz.; 10-12 inch in diameter, \$1.00 each, \$10.00 per doz.; extra large 12-15 inch in diameter, \$1.50 each, \$15.00 per doz. Extra large specimens, price on application.

AZALEAS—Continued.

A. Borsig, pure double white.
Madame Van der Cruysen, semi-double, bright rose.
Sigismund Rucker, lilac rose and white.
Bernard Andrea Alba, double white.
Deutsche Pearl, very early double, pure white.
Imperatrice des Indes, large double rose, edged white.
Souv. de Prince Albert, double white and lilac.
Dr. de Moor, double, intense rose.
Empereur de Bresil, rose and white, large, double.
Cocarde d'Orange, fine double, orange red.
Simon Mardner, very deep pink, shape of a Camellia.
Vervæana, a very large double, rose and white.
 And many other kinds.

Lilac for Forcing.

Fine strong plants especially grown for forcing, with good buds.

	Each.	Per doz.
Charles X	\$0 75	\$7 50
Marly	75	7 50

Genistas.

Of this very useful greenhouse shrub, I have a large stock, and can furnish fine plants that will give a fine show of their golden flowers, at prices from 50 cts. to \$5.00 each, according to the size of the plant.

Besides this I have hundreds of various stove and greenhouse flowering plants which will be found described on pages 63 to 71 of my Pocket Garden Dictionary.

Greenhouse Foliage Plants.

This is a class of plant which is becoming more popular every day. Their fine and delicately marked foliage and graceful habit make them great favorites. There is nothing equal to a house filled with a collection of these plants. I have a very large and varied collection, and will at all times be pleased to furnish any information or prices of them, and would refer you to my list given on pages 72 to 76 of my Spring Catalogue.

Garden Requisites, Insecticides, Fertilizers, Pots, Tools, and Horticultural Books.

I am able to furnish at the lowest prices, and at all times, a full line of the above, and a full list will be found on pages 105 to 110 of my Pocket Garden Dictionary, published this spring, and which will be sent to any address, post-paid, on application.

HARDY PLANTS.

For Planting in August to October.

The following list comprises the very best hardy Perennials in cultivation in our climate. These plants are gaining strong favor year by year for they are inexpensive; once planted, live forever, increasing in size and beauty. It is not generally known that Hardy Plants do as well, and most kinds do better when planted in the Fall when the plants get rooted and established in their new quarters, and give a fine show the first spring, thus saving one season.

These are the old-time favorites found in every old-fashioned garden—plants that have been neglected for a number of years, but which of late are receiving again the proper recognition due them on account of their many good qualities.

In the first place, they are inexpensive plants, not only in their original cost, but considering that when once planted they grow and increase from year to year, while the cost of maintenance is very slight.

With a good assortment of Hardy Perennials a continuous show of flowers can be kept from the early spring until the frost cuts down all vegetation. With a judicious selection of these plants, not only can flower beds and border be made attractive, but when proper kinds are chosen the ponds and marshes can be turned into an admiring object. Barren rocks and sand hills alike can be made beautiful, while, if planted in an informal, careless way, the pleasing effect of a wild garden is produced.

I would be pleased to make collections for sunny or shady places, dry, wet, sandy or clay soils, for rock-works, borders, wild garden or any other purpose, at \$2.50 per dozen; \$18.00 per hundred.

	Each,
Achillea millefolia rubra , pretty rose colored flowers.	\$0 20
“ serrata plena , “The Pearl.” Pure white..	15
“ tomentosa , fine for rockwork, yellow.	20
Agrostemma coronaria (Rose Campion). Pink flowers	20
Ajuga Genevensis , suitable for rockwork.....	15
“ reptans , blue flowers, compact grower.....	15
“ “ variegata , a variegated form, fine... 25	
Althæa rosea (Hollyhock). Single, extra fine varieties.....	20
“ “ fine double varieties. All colors.....	25
Alyssum saxatile compactum , yellow flowers, early.	15
Anemone Japonica , flowers, beautiful rose.....	20
“ “ alba , a white form of the above.	20
“ “ rosea , a beautiful pink variety..	28
“ Pennsylvanica , pretty white flowers.....	15
Aquilegia Canadensis , scarlet and yellow.....	15
“ chrysantha , bright primrose yellow.....	20
“ hybrids , finest assorted. The very best varieties.....	20
“ vulgaris alba , white flowers, useful.....	15

HARDY PLANTS—Continued.

	Each.
Arabis albida (Rock Cress). Fine rock plant.....	\$0 15
Armeria Maritima (Sea Pink). Pretty rose flowers..	20
“ cephalotes , a very beautiful variety	25
“ plantaginea , broad foliage, rose flowers...	25
Artemisia pontica , well adapted for carpet bedding..	10
Asclepias tuberosa (Butterfly Weed), orange red flowers.....	20
Aster Nova Angliæ , purple with orange center.....	15
“ Many varieties for wild gardens. The best sorts.....	10
Campanula (Harebell) Carpatica , bluebell-shaped flowers.....	20
“ grandiflora , large, deep slate blue.....	20
“ persicifolia , Flowers pale blue, useful...	15
“ “ alba , a white variety.....	20
“ pyramidalis , an effective plant.....	20
“ Medium (Canterbury Bells), choice, mixed	20
Cassia Marylandica (Senna), yellow flower.....	25
Clematis Davidiana , erect habit, blue flowers.....	25
“ Stans , similar to above, flowers white.....	25
Clematis , other varieties, see Vines.	
Coreopsis lanceolata , bright golden flowers, excellent	15
Delphinium formosum (Larkspur), rich blue.....	20
“ hybrid (assorted varieties), extra fine....	20
“ Sinense (assorted varieties), dwarf, free flowering... ..	15
Dianthus barbatus (Sweet William), various colors..	15
“ superbus , a very handsome variety.....	20
“ plumarius plenus , double, garden, pink....	20
Dicentra spectabilis (Bleeding Heart).....	20
Digitalis purpurea (Foxglove), very ornamental, bright purple.... ..	15
“ alba , a white form of the above.....	15
Doronicum plantagineum excelsum , yellow.....	25
Eryngium amethystinum a grand plant for shrub- beries.....	15
Euphorbia corollata (Flowering Spurge), fine.....	20
Funkia cordata (Day Lily) flowers white.....	20
“ grandiflora , flowers pure white.....	20
“ lanceolata , narrow leaves, white flowers.....	15
“ undulata variegata , beautiful variegated....	20
Gaillardia, grandiflora hybrida (Blanket Flower), flowers all summer.....	20
“ “ maxima , a grand variety...	25
Glechoma hederacea variegata , trailing plant.....	15
Gypsophila paniculata (Baby's Breath), small white flowers.....	20
Helenium autumnale , large yellow flowers.....	20
Helianthus multiflorus (Perennial Sunflower), large yellow flowers.....	25
“ “ plenus , fine double flowers	15
“ “ grandiplenus , improved form.....	20
“ “ Soleil d'Or , fine, soft yellow	25

HARDY PLANTS—Continued.

	Each.
Helianthus Maximilianus , fine, late variety.....	\$0 20
“ mollis grandiflorus , yellow, single flower	25
“ orgyalis , drooping leaves, very free.....	25
“ rigidus , flowers yellow with dark center..	20
“ “ semiplenus , semi-double, very fine	25
Heliopsis lævis (Ox Eye), large yellow flowers.....	15
“ Pitcherianus , flowers all summer.....	20
Hemerocallis flava (Day Lily), golden, sweet scented	20
“ Dumortierii , flowers orange yellow....	20
“ rutilans , fine yellow flowers.....	20
“ Thunbergii , fragrant, golden yellow...	20
Hibiscus incanus , large white flowers.....	30
“ moscheutos , a beautiful species.....	20
Iberis sempervirens (Evergreen Candytuft), white flowers, early.....	20
Iris Germanica (Fleur de Lis), assorted, beautiful varieties.....	20
“ Kämpferii (Japan Iris), extra fine, very beautiful	20
“ “ many varieties. See Novelty List.	
“ pseudo-acorus (Water Flag), yellow flowers....	15
“ “ variegata , foliage striped with white...	25
“ Siberica sanguinea , large purple flowers.....	15
Lathyrus latifolius (Everlasting Pea), blooms freely	20
Lepachys pinnata , flowers fine light yellow.....	20
Lychnis Chalcedonica , flowers scarlet.....	20
Monarda didyma , bright, red, showy flowers.....	20
Myosotis palustris semperflorens (Forget-Me-Not), perpetual flowers.....	15
Oenothera fruticosa (Evening Primrose), Yellow flowers.....	20
Pæonies , herbaceous, assorted ; in best varieties only	25
“ Extra large clumps, 60c. to \$1 each.	
Papaver , in many varieties.	
“ Alpinum (Poppy), small, reddish flowers...	20
“ bracteatum , blood-red flowers.....	20
“ involucratum , very fine, large-flowered....	20
“ Orientale , the finest perennial Poppies. ..	20
“ nudicaule , excellent for cutting.....	15
Pentstemon barbatus , deep, scarlet flowers.....	20
“ diffusus , blooming nearly all summer.....	20
“ Digitalis , tall, white flowered.....	20
Phlox amœna , favorite border plants.....	15
“ Carolina , reddish purple flowers.....	15
“ reptans , creeping variety, violet flowers.	15
“ stellaria , white flowers pink eyes.....	25
“ subulata (Moss Pink), very dwarf, early.....	15
“ “ alba , a beautiful white form.....	15
“ paniculata , in assorted varieties : the finest sorts	15
“ “ The Pearl , flowers, pure white, the finest..	20
Polemonium cœruleum (Jacob's Ladder) blue flowers	20
“ “ album , white variety.....	25
Polygonum cuspidatum crispulum , fea lly white flowers.....	35
“ Sachalinense , handsome b : plant...	30

HARDY PLANTS—Continued.

	Each.
Pyrethrum roseum , in assorted varieties.....	\$0 25
“ uliginosum (The Giant Daisy), white flowers.....	20
Rudbeckia maxima (Cone-flower), large yellow flowers.....	25
“ fulgida , orange yellow, disc dark purple..	20
“ speciosa , yellow, dark purple disc.....	20
“ subtomentosa , fine for borders.....	20
Salvia pratensis (Sage), a blue flowering plant.....	20
Sedum Fabarium (Stone Crop), rosy pink flowers ...	20
“ Spectabile , one of the best border plants....	20
Silphium perfoliatum (Cup Plant), tall plant	25
Solidago (Golden rod), many varieties for wild gardens	15
Spiræa aruncus (Meadow Sweet), white long spikes..	25
“ astilboides , flowers white, graceful.....	25
“ filipendula , flowers white and rose.....	20
“ “ plena , white double flowers.....	25
“ Japonica , pure white flowers.....	15
“ “ grandiflora , larger and closer	25
“ palmata , brilliant crimson flowers	25
“ ulmaria plena , double white flowers.....	25
“ “ variegata , variegated foliage.....	25
Statice latifolia , blue flowers on large panicles.....	25
Thermopsis Caroliniana , yellow flowers, early.....	25
Tunica saxifraga , small pink flowers.....	20
Verbascum Phœniceum , red, white and violet flowers	20
Veronica longifolia subsessilis , deep rich blue	25
Vinca minor (Periwinkle), fine for growing under trees	10
“ “ fol. var. , foliage, variegated, handsome	20
Yucca filamentosa , fine spikes of white flowers.....	35

NOVELTIES IN SEED.
Cineraria Hybrida Nana Grandifl.
“Atrosanguinea.”

The large and well-formed flowers of this new Cineraria hybrida nana grandiflora are of a very brilliant dark blood-red color. The plant is very compact and dwarf in growth. A new constant hybrid of first rank. Per pkt., 50 cts.

Pansy, Cardinal.

The idea of every pansy grower is to grow a scarlet pansy. With this variety I am able to offer the nearest approach to it. The color of the flower is not the true scarlet like it is found in Geraniums, etc., but it would properly be called a brownish-scarlet. It represents the brightest color in Pansies grown up to to-day. The flowers are as well of good size as substance and perfect form. The three lower petals are marbled with a large dark blotch. Per pkt., 50 cts.

NOVELTIES AND SPECIALTIES.

***Convallaria majalis* "Fortin."**

This is a grand new form with large spikes and bells; a very desirable variety. Each, 15 cts.; doz., \$1.50; per 100, \$12.00.

***Adiantum Capellus-Veneris Imbricatum* (The Hardy Farleyense).**

This is a grand acquisition to the Ferns. In general appearance it rivals the famous *Adiantum Farleyense*, besides being a freer-grower and of much hardier constitution, and on that account well adapted to the general culture, and especially for fern dishes. Should be grown by every one. Received three first-class certificates in Boston, Lenox and New York. Nice plants, 35 cts. each.

New White *Anemone Japonica*, "Lady Ardilaun."

One of the most remarkable novelties introduced for many years. It is distinct at a glance from the old variety, having much larger foliage, stouter stems, greater heads, flowers much larger, petals of more substance and altogether pure waxy white, overlapping almost to the points. In addition to this there are double rows of petals symmetrically arranged, forming a complete flower of great attractiveness. Price, 35 cts. each.

New *Anemone Japonica*, "Whirlwind."

This is a semi-double white variety of this well-known plant. It has the same habit and free-flowering qualities, while the almost double character renders it more lasting when cut. A plant that should be in every collection of hardy plants. Price, 20 cts. each; \$2.00 per doz.

***Bougainvillea Sanderiana*.**

This is a fine dark variety of the popular *B. glabra*, having the additional merit of flowering in a very small state, so that two or three-inch pot plants are covered with its showy bracts. Price, young plants, 50 cts. each.

***Coreopsis lanceolata*, "Harvest Moon."**

A grand improvement on the well-known species, and one that should be in every collection of Hardy Plants. The habit and flowers are much larger and stronger. Well adapted for cutting purposes. Each, 25 cts.; per doz., \$2.50.

***Helianthus Bouquet d'Or*.**

A grand novelty of the popular double hardy sunflower. The habit of the plant is same as *H. multiflorus plenus*, but the flowers are of a fine deep golden color, while the petals are finely imbricated, giving the flowers the appearance of an aster. Green plants in 2-inch pots, 35 cts. each.

Hieracium villosum.

This is a fine addition to hardy perennials. The plant is of a neat and compact habit, with oval white downy foliage, and large double flowers on stems one foot high. Perfectly hardy and of easy culture. Price, 25 cts. each.

Iberis Sempervirens Superba.

A grand variety of the popular perennial Candytuft. It has stronger growth, larger and broader foliage, while the flowers are in large umbels and superior substance. One of the finest of our early flowering hardy plants. Each, 35 cts

Leontopodium alpinum, "Edelweiss."

A grand hardy plant which has become very scarce owing to its being greatly sought after by travelers in the Alps. Growing as it does on very inaccessible places on the Alps, many persons have lost their lives trying to procure it.

The flowers, which are white, are very beautiful, and if pressed after being cut will retain their former color and form.

I have been fortunate enough to procure some seed of this desirable plant, and am enabled to offer nice plants at very reasonable prices. Each, 25 cts.; per doz., \$2.50.

Leiophyllum buxifolium prostratum.

A newly discovered variety, with small evergreen foliage, growing only 4 to 6 inches in height, and covered with pretty white flowers in the spring. A grand plant for edging beds of Rhododendrons, etc. Each, 25 cts.; per doz., \$2.50.

Spiræa astilboides floribunda.

This grand new plant is as useful for forcing as for herbaceous border. It is in the same relation to *S. astilboides* as is *S. japonica floribunda* to the common *S. japonica*. The plant is compact, furnished with numerous spikes closely set with pure white flowers. A plant I can strongly recommend. Each, 25 cts.; per doz., \$2.50.

New Hardy Rose, Crimson Rambler.

This suburb novelty is of the Polyantha class and is of Japanese origin. The plant is of vigorous growth, making shoots eight to 10 feet long. For covering trellises, or as a pillar rose, it cannot be excelled. It is also magnificent in bush form.

The flowers are produced in large pyramidal trusses, and in color are of the most brilliant crimson, lasting in perfection for two weeks with their freshness of color unimpaired. Each, 35 cts.; \$3.50 per doz.

NEW IRISES.

Five new kinds from the Holy Land. Culture same as for *Iris Susiana*.

Iris atrofusca.

A very distinct and beautiful variety. The outer segments are of a brown-black; the inner segments are one inch

longer than the outer ones, and twice as broad, and of a mottled dark claret-brown, with black veins. Each, 45 cts.; per doz., \$4.50.

Iris Sari nazarena.

This is one of the most beautiful Irises in cultivation. It grows rather tall, and has very large flowers, beautifully marked with large dark reddish brown-purple spots on straw-colored ground. Each, 35 cts.; per doz., \$3.50.

Iris atropurpurea.

The flower of this beautiful variety rises high and varies in color from black to purple. It is of a rather dwarf habit, but very graceful, as the leaves recurve and are not very broad. Each, 35 cts.; per doz., \$3.50.

Iris Grand Duffi.

This variety grows rather large. The leaves are dark bluish green. Flowers fine sulphur yellow. This is one of the most beautiful Irises in cultivation. Each, 35 cts.; per doz., \$3.50.

Iris Mariæ (Helene).

The small slender leaves of this variety give it a very graceful appearance. The flowers are of medium size and of a beautiful lilac color marked with veins. One of the marked characteristics of this variety is that it flowers freely. Each, 35 cts.; per doz., \$3.50.

Iris Vartani.

A new and beautiful variety with sky-blue flowers, similar to *Iris reticulata*. Each, 25 cts.; per doz., \$2.50.

The collection of six new varieties, one of each, for \$2.50

New Tuberosa "Albino."

This is one of the greatest novelties sent out this year. The great features of this single white tuberosa is its earliness in flowering, and that from one bulb several branching spikes three to four feet high are produced, also that it is free from the brown tint so common to the old sort, on back of the petals. The odor is less heavy than in the old variety, making it much more desirable. Price, 10c. each; \$1.00 per doz.; \$6.00 per 100.

NEW STRAWBERRY.

Marshall.

Without doubt the finest berry in cultivation; color very dark, rich crimson core; flesh fine grained and of a delicious flavor. It is very vigorous and very productive, 3,000 quarts having been grown on a quarter of an acre and 15 berries will fill a quart. This is a plant that I can strongly recommend. \$1.00; per doz., \$5.00.

LILIES.

I make a specialty of this the noblest of all the bulbous plants. Graceful and imposing in habit, with showy, large, sweet-scented flowers of pure and chaste colors. Such as *L. Harrisii*, *Longiflorum* and *Candidum* invaluable for forcing, while *L. Auratum*, *Speciosum*, and a host of others are grand objects in borders among shrubbery or planted between *Rhododendrons* and hardy *Azaleas*. You cannot plant too many Lilies.

	Each	Per doz.
Auratum , white with gold band.	\$0 15	\$1 50
“ album , pure white.	75	7 50
“ macranthum , very large.	50	5 00
“ platyphyllum , fine massive foliage.	40	4 00
“ pictum , richly colored.	50	5 00
“ rubro-vittatum , rich crimson band.	85	8 50
“ Wittei , rare, white form.	85	8 50
Batemanniæ , nankeen color.	20	2 00
Brownii , creamy white and purple, fine.	60	6 00
Bulbiferum , orange color.	20	2 00
Canadense , red colored.	15	1 50
“ flavum , yellow, pure.	30	3 00
“ rubrum , deep rich red.	30	3 00
Candidum , pure white.	05	50
“ fl. pl. , double flowered.	25	2 50
“ striatum , white, shaded purple.	30	3 00
“ fol. aur. var. , variegated foliage.	30	3 00
“ speciosum , improved form.	30	3 00
Carniolicum , deep scarlet.	30	3 00
Chalcedonicum , dazzling scarlet.	50	5 00
Catanæ , purple black.	50	5 00
Colchicum , primrose yellow.	75	7 50
Croceum , orange red, large.	20	2 00
Columbianum , yellow, spotted.	25	2 50
Concolor , deep red.	25	2 50
Coridion , yellow.	25	2 50
Cordifolium , white, large.	35	3 50
Davuricum , red.	50	5 00
Delmaticum , purple black.	75	7 50
Excelsum , light nankeen color.	50	5 00
Eximium , pure white.	40	4 00
Elegans , rich red.	15	1 50
“ aurantiacum , fine, orange.	30	3 50
“ atrosanguineum , blood red.	25	2 50
“ bicolor , red, shaded orange.	15	1 50
“ incomparable , dark scarlet.	25	2 50
“ pleno , double, large flower.	50	5 00
“ semi-pleno , partly double.	25	2 50
“ Variegata , red marbled.	20	2 00
“ Alice Wilson , beautiful yellow, rare.	85	8 50
Giganteum , very large, white.	2 50	
Grayi , orange spotted, new.	50	5 00
Hansonii , orange yellow.	75	7 50
Harrisii , white, for forcing.	15	1 50

LILIES—Continued.

	Each.	Doz.
Humboldtii , orange red	\$0 75	\$7 50
Kanschatkense , brownish black.....	50	5 00
Kramerii , fine rosy pink.....	25	2 50
Leichtlinii , bright orange red.....	35	3 50
“ aureum , bright golden yellow....	40	4 00
Longiflorum , pure white.....	15	1 50
“ fol. var. , silver margined leaves	1 50	
Martagon , purple spotted.....	20	2 00
“ rubrum , fine scarlet.....	50	5 00
“ album , rare white variety....	85	8 50
Medeoloides , orange, red spotted.....	30	3 00
Maritimum , rich red.....	85	8 50
Pardalinum , red, spotted yellow.....	20	2 00
Parvum , yellow.....	30	3 00
Parryii , soft yellow, rare.....	85	8 50
Philadelphicum , red, upright.....	15	1 50
Pomponium	30	3 00
Pyrenaicum	35	3 50
Pulchellum , deep red.....	50	5 00
Sulphureum , light yellow.....	1 50	
Superbum , yellow, brown spotted.....	15	1 50
Speciosum , pink, spotted crimson.....	20	2 00
“ album , pure white, fine.....	30	3 00
“ “ monstrosum , large heads of flowers.....	30	3 00
“ “ Kroonprincess , very flor- iferous	40	4 00
“ “ praecox , early white form.	40	4 00
“ Melpomene , white, shaded pink, rare	50	5 00
“ Kratzerii , deep pink color.....	30	3 00
“ “ album , fine white variety.....	30	3 00
“ Opal , most beautiful color, rare..	2 00	
“ punctatum , heavily spotted.....	30	3 00
“ purpuratum , rich deep color.....	30	3 00
“ roseum , soft rose.....	25	2 50
“ rubrum , deep rich color.....	25	2 50
Takesima , large white trumpets..	20	2 00
Tennifolium , coral red..	20	2 00
Thurnbergianum , red.....	15	1 50
“ grandiflorum , large red flowers.....	30	3 00
“ aureum , yellow variety....	15	1 50
“ biligulatum , distinct form.	15	1 50
“ Kikak , new variety of merit.....	15	1 50
“ Prince of Orange , fine form.....	15	1 50
“ Van Houttei , red free flowering.....	15	1 50
Thompsonianum , deep pink.....	30	3 00
Tigrinum , The Tiger Lily.....	10	1 00

LILIES—Continued.

	Each.	Doz.
Tigrinum fl. plenum , double flowers.....	\$0 15	\$1 50
“ splendens , large and fine form...	15	1 50
Uker Yuri , large white trumpets.....	85	8 50
Umbellatum , red colored flowers.....	10	1 00
“ erectum , upright flowers.....	15	1 50
“ grandiflorum , large flowers ...	15	1 50
“ incomparable , rich red.....	25	2 50
“ maculatum , finely spotted....	15	1 50
Venustum , red upright flowers.....	20	2 00
Washingtonianum , flesh-colored, fine.	50	5 00
Wallichianum superbum , large white trum- pets, rare.....	1 00	10 00

Anyone ordering the full set of Lilies as per the above list, I will give free of charge the following: 12 **L. Auratum**, 12 **L. Speciosum**, 12 **L. Speciosum album**, 12 **L. Tigrinum splendens**, 12 **L. Longiflorum**, 12 **L. Batemanii**, 12 **L. Candidum**, 6 **L. Elegans**, making over a hundred Lilies free to induce purchasers to buy the whole collections.

The Imperial Collection of **JAPAN IRIS.**

I have been fortunate in securing a magnificent set of 50 different varieties of Japan Irises, which have very fine large flowers, which measure 9 to 10 inches in diameter, and embrace all the colors obtainable in Irises. I offer same at the very low price of 25 cts. each, or the complete set of 50 varieties for \$12.00. Strong clumps, as originally imported, 50 cts. each, or \$24.00 for the complete set of 50 varieties. Try them and you will be satisfied.

PURE SHEEP MANURE.

I am greatly pleased to say that I have secured a large quantity of the very best sheep manure, perfectly pure and unadulterated, free from all straw or litter of any kind, which is generally found in most of the other grades.

I can safely say that it is the finest quality offered in the market. There is nothing can equal this manure for greenhouse purposes, such as top dressing roses, carnations, chrysanthemums, or any other plants that are strong feeders.

And there is nothing better for mixing through potting soil or for making liquid.

It is also the finest manure for top dressing lawns or for the manuring of fields or gardens.

In all respects it is par excellence. For top dressing greenhouse plants use equal proportions of manure and good loam. For mixing through potting soil use one part manure to nine parts loam. For making good liquid use about ten pounds to the barrel. For lawns, fields or gardens use about one pound to ten square feet, or two tons to the acre. 5 lb. bag, 25 cts.; 10 lb. bag, 40 cts.; 25 lb. bag, 75 cts.; 100 lb. bag, \$2.75; per ton, \$38.00.

LANDSCAPE GARDENING.

This is a very important subject, and one that should not be neglected or overlooked, especially when building up a new place.

It means that, with a good plan, you can lay out your place to all the advantages it commands naturally, besides making and developing features where the location is disadvantageous. The roads and walks should be laid out, not only to be practical, but also to be in harmony with everything adjacent.

The proper location of trees and shrubs, and the selection of the best and most desirable kinds, are very important, for you are planting for the future, and as it takes years for a shrub or tree to grow, you should plant only such as would be desirable and valuable when grown up. The same applies to the location of vegetable, flower, fruit, rock or wild gardening borders or flower beds.

The grouping or massing of either trees, shrubs, plants or bulbs, to produce certain effects at special seasons, either in foliage, flower or fruit, can only be successfully accomplished by having full knowledge of the habits and character of such plants.

Many unsightly corners and spaces could not be only hidden, but actually made beautiful. Thus, outside the general flower garden, barren rocks and stumps of trees can be covered with luxuriant growth.

Dry and sandy hills, where even grass refuses to grow, with proper selection can be made as beautiful as where the soil is rich, while marshes can be turned into handsome objects, and ponds covered with showy water plants. In one word, it is the knowledge of the habits of plants and their adaptability to certain locations that brings the desired success.

Locating and designing greenhouses, graperies, pits or frames on a place are also very important ; so are the proper details in the construction of greenhouses, which are generally left to architects, who do not take into consideration the practical points of the greenhouse or conservatory.

Do not lay out your place without a landscape gardener any more than you would build a house without an architect ; and you cannot do better than consult,

Yours truly,

W. A. MANDA.

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